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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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of

29

**Complete if Known**

Application Number	10/631,071
Filing Date	July 31, 2003
First Named Inventor	Ronald L. Mahany
Group Art Unit	2687
Examiner Name	M. Santiago Cordero
Attorney Docket Number	14406US02

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MSC	A1	4,449,248	05-15-1984	Leslie et al.	
↑	A2	5,027,428	06-25-1991	Ishiguro et al.	
	A3	5,058,023	10-15-1991	Kozikaro	
	A4	5,058,203	10-15-1991	Inagami, Fujio	
	A5	5,142,534	08-25-1992	Simpson et al.	
	A6	5,224,152	06-29-1993	Harte	
	A7	5,301,225	12-23-1992	Suzuki et al.	
	A8	5,375,254	12-14-1990	Owen	
	A9	5,420,911	05-30-1995	Dahlin et al.	
	A10	5,590,346	12-31-1996	West et al.	
	A11	5,274,666	12-28-1993	Dowdell et al.	
	A12	5,329,531	07-12-1994	Diepstraten et al.	
	A13	5,329,576	07-12-1994	Handforth	
	A14	5,371,734	12-06-1994	Fischer	
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	A28	6,823,033	11-23-2004	Fahim	
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	A33	4,734,694	03-29-1998	Umetsu et al.	
MSC	A34	4,903,319	02-20-1990	Kasai et al.	

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SIGNATURE*Mauricio Santiago Cordero*

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First Named Inventor	Ronald L. Mahany
Group Art Unit	2687
Examiner Name	M. Santiago Cordero
Attorney Docket Number	14406US02

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msc	A35	4,964,121	10-16-1990	Moore	
	A36	4,977,611	12-11-1990	Maru	
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msc	A46	6,764,983	07-20-2004	Hammond et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	B1					

**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
msc	C1	Respondent Qualcomm Incorporated's Notice Of Prior Art, with Exhibits A & D attached thereto
	C2	Qualcomm's Response To Interrogatory 3, with Exhibits B & C attached thereto
	C3	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C4	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C5	"A New Chapter In Wireless Communication And Email", Electronic Messaging News, 11/27/1991, Vol. 3, No. 24
	C6	"A New Radio Access Protocol And Network Architecture For Mobile Packet Data", Cognito Group Limited, Bates Nos. QBB569268-323 NO DATE LISTED
	C7	"AMDC Extends RFP Deadline To March 10; Waiver Decision Expected At FCC's March Meeting", Industrial Communications, 02/17/1989, No. 7
	C8	"AMDC Picks Ericsson Gear", Communications Week, 06/12/1989, Vol. 252, p. 44
msc	C9	"An Effective Prioritization Scheme For Handovers In Cellular Networks", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 364-368

NO DATE

EXAMINER

Manuel Santiago Cordero

DATE CONSIDERED

6/30/06

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Attorney Docket Number	14406US02				
Sheet	3	Of	29		

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msc	C10	"Ardis Links With NCR Notepad 12/11/91", Newsbytes, 12/11/1991
	C11	"Ardis To Face Competition From RAM", Newsbytes, 02/05/1991
	C12	"Automation In Warehousing", Proceedings Of The 8 <sup>th</sup> International Conference, Tokyo, Japan, 10/06-08/1987, pp. 1-355
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	C30	"Cellular System Dual-Mode Mobile Station - Base Station Compatability Standard", EIA/TIA Interim Standard, 05/1990, IS-54
msc	C31	"Cellular System Mobile Station - Land Station Compatability Specification", Office Of Science Technology Bulletin No. 53, 07/1983

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				Examiner Name	M. Santiago Cordero
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msc	C32	"Change Request 05.02-11", Recommendation GSM 05.02, v. 3.3.0, 06/22/1989
	C33	"Change Request 05.02-14", Recommendation GSM 05.02, v. 3.3.0, 11/28/1989
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	C46	"Editorial: Telecom Trends", Newsbyte News Network, 12/24/1991
	C47	"Ericsson - Company Report First Boston Corporation (The)", 06/10/1988, Investext Report No. 813838, p. 9
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	C49	"Ericsson - Company Report: Prudential Securities Inc.", 03/19/1990, Investext Report No. 1001955, p. 10
	C50	"Ericsson - Company Report: Svenska International PLC", Ericsson Company Report, Svenska International PLC, Investext Report No. 1142535, 10/04/1991, p. 2
	C51	"Ericsson (L.M.) (Telefon A/B) - Company Report: FT Analysis", Ericsson (L.M.) (Telefon A/B) Company Report FT Analysis, Investext Report No. 6027183, 11/19/1991, p. 3
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<i>msc</i>	C53	"Ericsson And Digital Cooperated In Mobile Data", Business Wire, San Francisco, 10/07/1991, p.1
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	C86	"FCC Calendar Of Events For The Week Of February 11", FCC Daily Digest, 02/08/1991, Vol. 10, No. 27
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	C88	"Industry Briefs", Network World, 10/14/1991, Vol. 8, No. 41, pp. 9, 11
msc	C89	"Lead Story #2: Swedish Government Picks Magnovox AVL For Upcoming Trials, Inside IVHS, 02/04/1991, Vol. 1, No. 3

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msc	C90	"Man-Machine Interface Of The Mobile Station", Recommendation GSM 02.30, v 3.5.0, 03/1990
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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Of

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**Complete if Known**

Application Number	10/631,071
Filing Date	July 31, 2003
First Named Inventor	Ronald L. Mahany
Group Art Unit	2687
Examiner Name	M. Santiago Cordero
Attorney Docket Number	14406US02

**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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				Examiner Name	M. Santiago Cordero
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	C206	Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book III, 03/19/1993
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	C208	Cellular Digital Packet Data System Specification Release 0.8 - Book 4IV, 03/19/1993
	C209	Cellular Digital Packet Data System Specification Release 0.8 - Book V, 03/19/1993
	C210	Cellular Digital Packet Data System Specification Release 0.9 - Preliminary Draft, N/A, 04/30/1993
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	C213	Cellular Digital Packet Data System Specification Release 1.0 - Book IV, 07/19/1993
	C214	Cellular Digital Packet Data System Specification Release 1.0 - Book V, 07/19/1993
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MSC	C219	Cellular Digital Packet Data System Specification Release 1.1 - Book 4, 1995 CDPD Forum, Inc., 01/19/1995

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary))

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Of

29

**Complete If Known**

Application Number	10/631,071
Filing Date	July 31, 2003
First Named Inventor	Ronald L. Mahany
Group Art Unit	2687
Examiner Name	M. Santiago Cordero
Attorney Docket Number	14406US02

**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
msc	C220	Cellular Digital Packet Data System Specification Release 1.1 - Book 5, 1995 CDPD Forum, Inc., 04/19/1995
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MSC	C319	LOBERG et al., "Mobitex - The New Swedish Cellular Mobile Radio Service", International Conference On Radio Receivers & Associated Systems (4 <sup>th</sup> : 1986), 1986, Pub. No. 68, pp. 77-82 <i>NO MONTH USED</i>
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				Filing Date	July 31, 2003
				First Named Inventor	Ronald L. Mahany
				Group Art Unit	2687
				Examiner Name	M. Santiago Cordero
Sheet	21	Of	29	Attorney Docket Number	14406US02

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MSC	C335	MURPHY et al., "UPT: Mobility vs. Portability", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 224-228
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	C357	REITER, "Three Cellular Modems", PC Magazine, 12/25/1990, Vol. 9, No. 22, p. 365
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	C369	SESHAN, "Low-Latency Handoff For Cellular Data Networks", Ph.D. Thesis, University Of California At Berkeley, 1995 NO MONTH LISTED
	C370	SHEETTY et al., "Development In Mobile Markets", Communications International, 12/1991, Vol. 18, No. 12, p. 47
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	C375	STEIN, "Greater Efficiency With Mobile Data Communication", Ericsson Review, 1991, Vol. 68, Issue 4, pp. 104-110 NO MONTH LISTED
	C376	STEINERT-THRELKELD, "Ericsson Unit To Aid New Network; Richardson Firm To Provide Equipment For Cellular Data Link", The Dallas Morning News, Record No. DAL1073150, 06/01/1989
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	C378	SUDAME et al., "On Providing Support For Protocol Adaptation In Mobile Wireless Networks", Mobile Networks And Applications 6, 2001, pp. 43-55 NO MONTH LISTED
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MSC	C382	TAN et al., "Mobicast: A Multicast Scheme For Wireless Networks", Mobile Networks And Applications 5, 2000, pp. 259-271 NO MONTH LISTED

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m s c	C415	LIN et al., "A 900 MHz, 2.5mA CMOS Frequency Synthesizer With An Automated SC Tuning Loop", Elec. Eng. Dept. UCLA, pp. 375,378 <b>NO DATE LISTED</b>	
	C416	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
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	C418	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
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	C421	"Ericsson And General Electric Going Mobile", Telephone Engineer & Management News, 10/01/1989, pp. 30-39	
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	C423	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
	C424	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
	C425	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
	C426	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
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	C428	"Mobile Station Features", Recommendation GSM 4.4.2, 10/1993	
	C429	"Mobilät Datanät om två år" (Mobile Datanet In Two Years), Elteknik Med. Ekteuell Elektronik, 1985, V. 5, p. 6 <b>NO MONTH LISTED</b>	
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	C431	"Proposed EAI, TIA Standard, Cellular System CDMA-Analog Dual-Mode Mobile Station - Base Station Compatibility Standard, Rev. 1.14", 04/21/1992	
	C432	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
	C433	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
	C434	"Random Access Procedures", GSM 04.06, v. 3.6.0 <b>NO DATE LISTED</b>	
	C435	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
	C436	"Release Note, Recommendation" GSM 03.20, v. 3.3.2, 01/1991	
	C437	"Release Note, Recommendation", GSM 02.07, v. 3.3.0, 03/1990	
	C438	"Release Note, Recommendation", GSM 02.30, v. 3.5.0, 03/1990	
	C439	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	
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	C441	"Trögt för Motitex" (Delays For Mobitex), Elteknik Med. Aktuell Elektronik, 1987, Vol. 3, pp. 19-21 <b>NO MONTH LISTED</b>	
m s c	C442	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>	

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Substitute for form 1449A/PTO				<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary))				Application Number	10/631,071	
				Filing Date	July 31, 2003	
				First Named Inventor	Ronald L. Mahany	
				Group Art Unit	2687	
				Examiner Name	M. Santiago Cordero	
Attorney Docket Number	14406US02					
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OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
msc	C443	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C444	Agere v. Broadcom 07/20/2004 Memorandum & Order, Bates Nos. BCMITC00000256573-667
	C445	BALSTON, Cellular Radio Systems, 1993 NO MONTH LISTED
	C446	Broadcom's Third Supplemental Objections and Responses To Qualcomm's First Set Of Interrogatories (1-53), 11/07/2005
	C447	Cellular Digital Packet Data System Specification Release 10 - Book 1, N/A, 07/19/1993
	C448	Cellular System Dual-Mode Station - Base Station Compatibility Standard, EIA/TIA/IS-54, 05/01/1990
	C449	Change Request (Phase 2) Nos. 17, Tdoc GSM 195/93, 02/1992, Bates Nos. QBB222315-319
	C450	INTENTIONALLY LEFT BLANK NO DATE LISTED
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	C454	ESTI Radio Equipment And Systems (RES); Digital Equipment Cordless Telecommunications (DECT) Common Interface Part 3: Medium Access Control Layer, ETS 300 175-3, 10/01/1992
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	C456	ESTI Radio Equipment And Systems (RES); Digital Equipment Cordless Telecommunications (DECT) Common Interface Part 6: Identifies And Addressing, ETS 300 175-6, 10/01/1992
	C457	ESTI Radio Equipment And Systems (RES); Digital Equipment Cordless Telecommunications (DECT) Common Interface Part 7: Security Features, ETS 300 175-7, 10/01/1992
	C458	ESTI Radio Equipment And Systems (RES); Digital Equipment Cordless Telecommunications (DECT) Common Interface Part 8: Speech Coding And Transmission, ETS 300 175-8, 10/01/1992
	C459	ESTI Radio Equipment And Systems (RES); Digital Equipment Cordless Telecommunications (DECT) Common Interface Part 9: Public Access Profile, ETS 300 175-9, 10/01/1992
	C460	ETSI Handbook Guide To The Application Of The PNE Rule To The Drafting And Presentation Of ETSI Standards v 1.3, 05/1990
	C461	Fast And Scalable Handoffs For Wireless Internet Works", Proceedings Of The 2nd Annual International Conference On Mobile Computing And Networking (Rye, NY), 1995, pp. 56-66 NO MONTH LISTED
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MSC	C464	File History of USSN 08/114,872, Bates Nos. QBB220620-1242 <b>NO DATE LISTED</b>
	C465	File History of USSN 08/431,077, Bates Nos. BCMITC000079534-862 <b>NO MONTH LISTED</b>
	C466	File History of USSN 08/487,609, Bates Nos. BCMITC0000792166-658 <b>NO MONTH LISTED</b>
	C467	File History of USSN 08/513,648 ('983 file history), Bates Nos. BCMITC000071666-72400 <b>NO MONTH LISTED</b>
	C468	File History of USSN 09/060,287 ('311 file history), Bates Nos. BCMITC000071327-71665 <b>NO MONTH LISTED</b>
	C469	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>
	C470	General on Terminal Adaptation Functions For The MSs, GSM 07.01 v 3.14.0, 04/01/1992
	C471	GSM PLMN Connection Types, GSM 03.10 v 3.3.0, 02/1992
	C472	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>
	C473	HAINE, "A New Radio Access Protocol And Network Architecture For Mobile Packet Data", Proc. Of Vehicular Technology Conference, 05/19-22/1991, pp. 399-407
	C474	HENDERSON, "Public Data Networks: The Mobitex System", Paper Presented At The IEEE Vehicle Navigation And Information Systems Conference (VNIS '89), 1989, pp. 365 <b>NO MONTH LISTED</b>
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	C476	Introduction To Telephones And Telephone Systems, 3rd Edition, 1998 <b>NO MONTH LISTED</b>
	C477	INTENTIONALLY LEFT BLANK <b>NO DATE LISTED</b>
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	C480	Landmobile And Marine Radio Technical Handbook, 1985 <b>NO MONTH LISTED</b>
	C481	LEE, Mobile Cellular Telecommunications Systems, 1989, Bates Nos. QBB147008-463 <b>NO MONTH LISTED</b>
	C482	List of Change Request Presented To SMH Plenary No 6, Rev 1, SMG 305/93, 03/29/1993
	C483	LYCKSELL, "Mobitex, ett kommunikations-radionät för text, data och tal" (A Radio Communication Network For Text, Data And Speech), 1986 <b>NO MONTH LISTED</b>
	C484	Mobile Information Systems, 1990 <b>NO MONTH LISTED</b>
	C485	Mobile Radio Interface Layer 3 Specification, GSM 04.08 v 4.2.0, 10/1992, Bates Nos. QBB479485-977
	C486	Mobile Radio Interface Layer 3 Specification; Core Network Protocols; Stage 3, ETSI TS 124008 v. 5.3.0, 2002 <b>NO MONTH LISTED</b>
	C487	Mobile Station - Land Station Compatibility Specification, EIA/TIA-553, 09/01/1989
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EXAMINER <i>Mauricio Santiago-Cordero</i>	DATE CONSIDERED <i>6/30/06</i>
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msc	C492	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C493	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C494	INTENTIONALLY LEFT BLANK NO DATE LISTED
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	C496	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C497	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C498	Radio Equipment And Systems (RES); Digital ESTI Radio Equipment And Systems (RES); Digital Equipment Telecommunications (DECT) Common Interface Part 5: Network Layer, ETS 300 175-5, 10/01/1992
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	C505	Service Accessibility - GSM 02.11 v 4.3.0, 10/1992
	C506	Service Accessibility - GSM 02.11 v 4.5.0, 04/1993, Bates Nos. QBB153507-515
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	C509	SMH Meeting Report, Doc 255/92, 03/30/1992
	C510	Speech Processing Functions: General Description, GSM 06.01 v 3.0.0, 02/1992
	C511	STEMM, "Vertical Handoffs In Wireless Overlay Networks", Mobile Networks And Applications 3, 1998, Abstract. NO MONTH LISTED
	C512	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C513	Sweden, Telecommunications (International Edition), 1991, Vol. 25, No. 10, pp. 145-148 NO MONTH LISTED
	C514	INTENTIONALLY LEFT BLANK NO DATE LISTED
	C515	Technical Realization Of The Short Message Service - Point-to-Point, GSM 03.40 v. 3.5.0, 02/1992
	C516	TIA-856 Spec. NO DATE LISTED
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